

Amendments to the Claims

1. (Currently Amended) An abrader device for delivering a substance into skin via an abrasion process, said abrader device comprising:

a base having a top surface and a bottom surface onto which an abrader surface with microprotrusions is mounted, said microprotrusions are frustroconical protrusions and each protrusion having at least one scraping edge for forming a furrow along a length of the skin;

a housing surrounding the base;

a handle having a pushbutton projecting from the top surface of the device; wherein said pushbutton has a first detent, wherein said first detent is engagable with a cooperating ~~second~~ detent on said base and said detents cooperate to prevents inadvertent movement of said handle with respect to said base wherein said first detent of said pushbutton and said ~~second~~ detent on said base hold the pushbutton in a substantially extended position prior to use wherein the pushbutton collapses inside the base when activated, and the base rotates with respect to the housing and proportionally to the push button collapse, thereby causing the abrader surface to rotate against skin when the housing is placed against skin and

a spring operably engaged between the handle and the base, wherein movement of the handle causes proportional compression of the spring for controlling the amount of force or pressure applied to the microprotrusions as the abrader surface moves

across the skin thereby forming a furrow of a substantially consistent depth along its length.

Claims 2-6 Cancelled

7. (Original) The abrader device according to Claim 1, wherein the microprotrusions are of a depth of about 5 to about 250 microns.
8. (Currently Amended) The abrader device according to Claim 21, wherein said spring is a preloaded spring that deflects only if a sufficient amount of pressure is present, and further comprising a retention detent on said base that engages a portion of said pushbutton after said push button has been fully depressed wherein said retention detent retains said microprotrusions inside said housing after said push button has been fully depressed.

Claims 9-31 Cancelled

32. (Previously Presented) The abrader device according to Claim 8, wherein said abrader is removably mounted to said base.
33. (Previously Presented) The abrader device according to Claim 1, wherein said abrader is permanently adhered to said base.
34. (Previously Presented) The abrader device according to Claim 1, wherein said abrader is removably mounted to said base.
35. (Currently Amended) The abrader device according to Claim 1, wherein said device further comprises ~~a housing and~~ a retraction spring disposed between said housing and said base, wherein said retraction spring retracts the abrader into the device.

Claims 36-38 Cancelled

39. (Currently Amended) The abrader device according to Claim 1, wherein said device further comprises ~~a housing~~, and a first end of said housing which is adapted to stretch the skin when the device is pressed against the skin, thereby providing a tight skin area to aid the abrading surface in scraping the skin area.
40. (Previously Presented) The abrader device according to Claim 35, wherein said housing has a first end adapted to stretch the skin when the device is pressed against the skin, thereby providing a tight skin area to aid the abrader surface in scraping the skin area.